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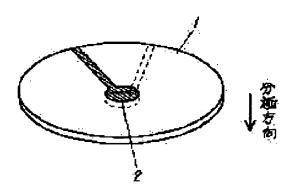
## (54) PIEZOELECTRIC CERAMIC COMPOSITION AND PRODUCTION OF PIEZOELECTRIC RESONATOR USING THE SAME

annealing at 0.4-0.8 times of Curie temperature for ≥1hr and holding at a

## (57)Abstract:

PURPOSE: To obtain a piezoelectric resonator having small variation in piezoelectricity and resonant frequency in a humidified atmosphere and excellent in thermal shock resistance. CONSTITUTION: A silver electrode 2 is formed on a piezoelectric ceramic 1 obtained by polarizing a sintered material of a piezoelectric ceramic composition comprising a main component expressed by Pb(Sn1/3Nb2/3)XTiYZrZO3 (X=0.01-0.50, Y=0.12-0.75, Z=0.125-0.865; X+Y+Z=1) added with 0.5-10.0wt.% of a compound of Pb(Me1/2Te1/2)O3 (Me is at least one kind of metal selected from the group consisting of Mn, Co, Ni and Cu),

normal temperature for ≥48hr and polishing.



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## **LEGAL STATUS**

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